

DX Strategy

Strategic direction

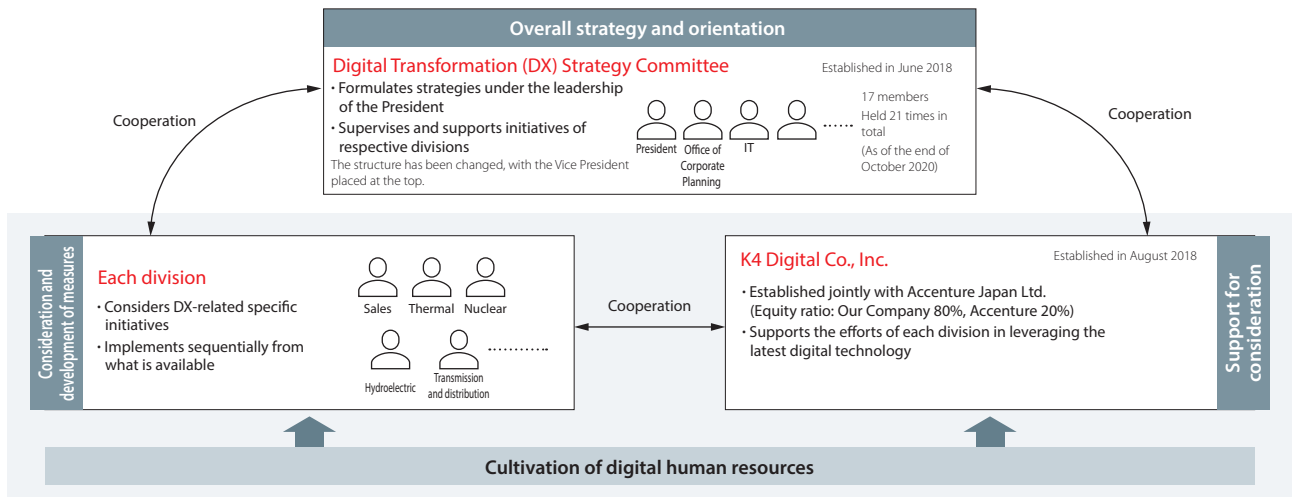
In June 2018, the Digital Transformation (DX) Strategy Committee headed by the President was set up to formulate an overall strategy. Based on this strategy, respective divisions are exploring specific DX-related initiatives and rolling them out sequentially. We established K4 Digital Co., Inc. in August 2018 to draw on our internal and external expertise to support the initiatives of our respective divisions.

In order to promote DX, so-called digital human resources are indispensable – namely people that have specialized knowledge and know-how related to digital technology, such as data analysis and system construction. At our Company, through in-house training and secondment to K4 Digital Co., Inc. and other measures, we are working to

develop human resources with a broad range of digital technologies covering from basic data management to advanced data analysis.

Regarding the current status of the initiatives, projects are underway not only in the operating divisions such as power generation, power transmission/distribution and sales, but also in all divisions including back-office management divisions. As of the end of May 2020, the total number of projects had reached approximately 450.

Going forward, while continuing to develop digital human resources, we will make a concerted DX-related effort including DX-related investments totaling approximately 70 billion yen between fiscal 2019 and fiscal 2021.



Selected as a Competitive IT Strategy Company for the two consecutive years, first time in the electricity and gas industry

Our efforts in setting up of the DX Strategy Committee and the joint establishment of K4 Digital Co., Inc. with Accenture Japan Ltd. have been highly evaluated, and as a result we have been selected as a Competitive IT Strategy Company by the Ministry of Economy, Trade and Industry and the Tokyo Stock Exchange for the second consecutive year for the first time in the electricity and gas industry.



Started operation of integrated platform system K-VIPs that supports the operation of virtual power plants

We launched K-VIPs – the Kanden Vpp Integrated Platform System – an integrated platform that allows checking of demand response implementation status and income/expenditure management for customers who have signed a contract to supply our Company with adjustable power.

This system seeks to add value to customers who have signed the adjustable power supply contract; this system is applied to the capacity market, supply-demand adjustment market, as well as sectors where we expect to see growth, such as our energy resource aggregation business.

AI-driven development of automated drift ice/snow detection program at hydroelectric power plants

During the winter, at hydroelectric power plants drift ice and snow may flow into the dam, reducing the water intake and hampering power generation. For this reason, surveillance staff check camera images 24 hours a day and take necessary actions. For the purpose of reducing the burden of these job tasks, we have developed an AI-driven program capable of detecting drift ice and snow from the camera images of the water intake.

